Figure 1 (Prior Art)

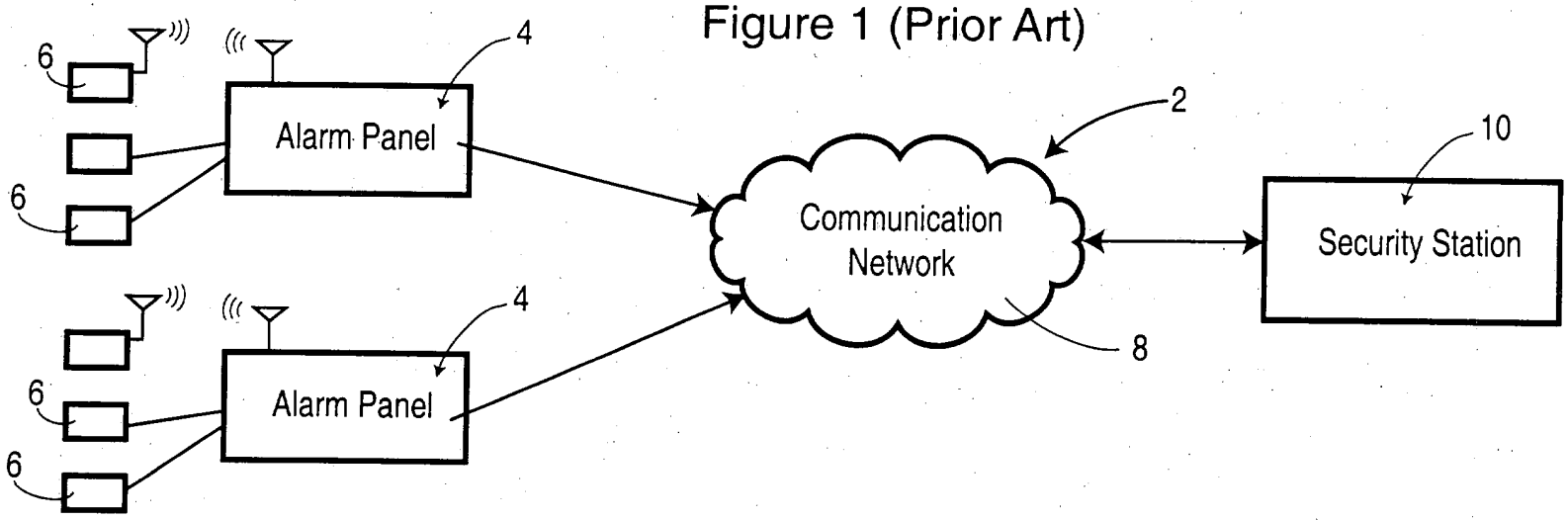


Figure 2

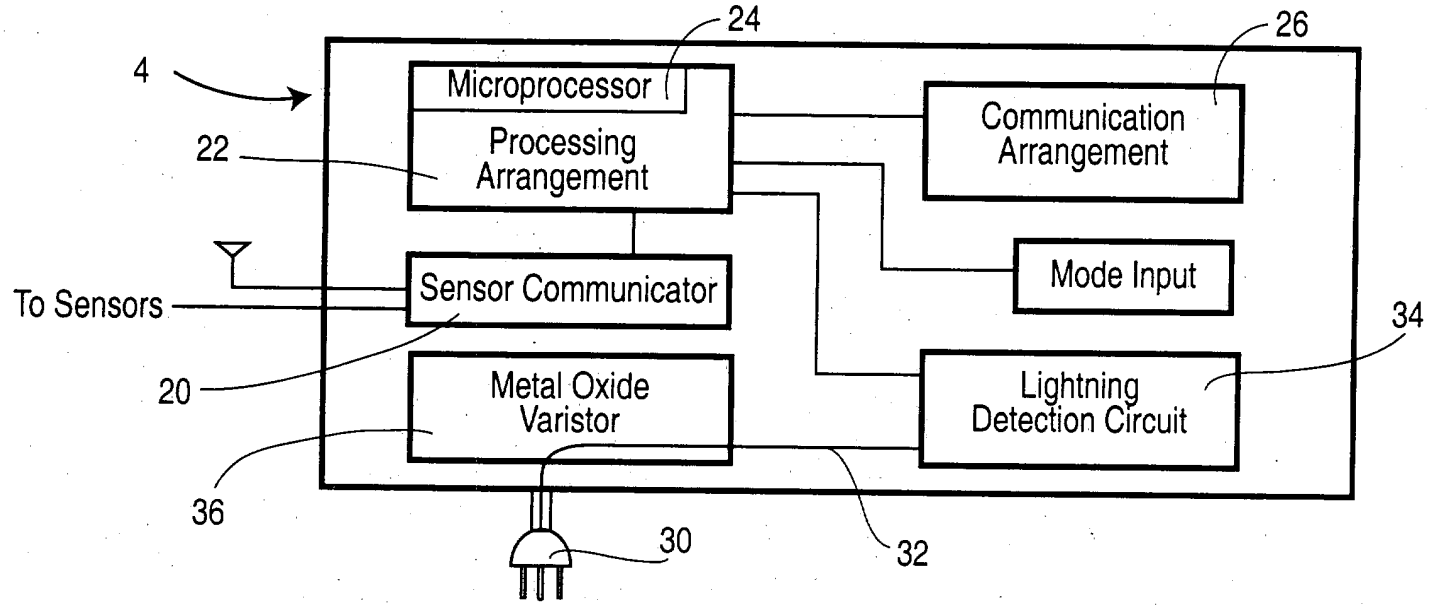


Figure 3

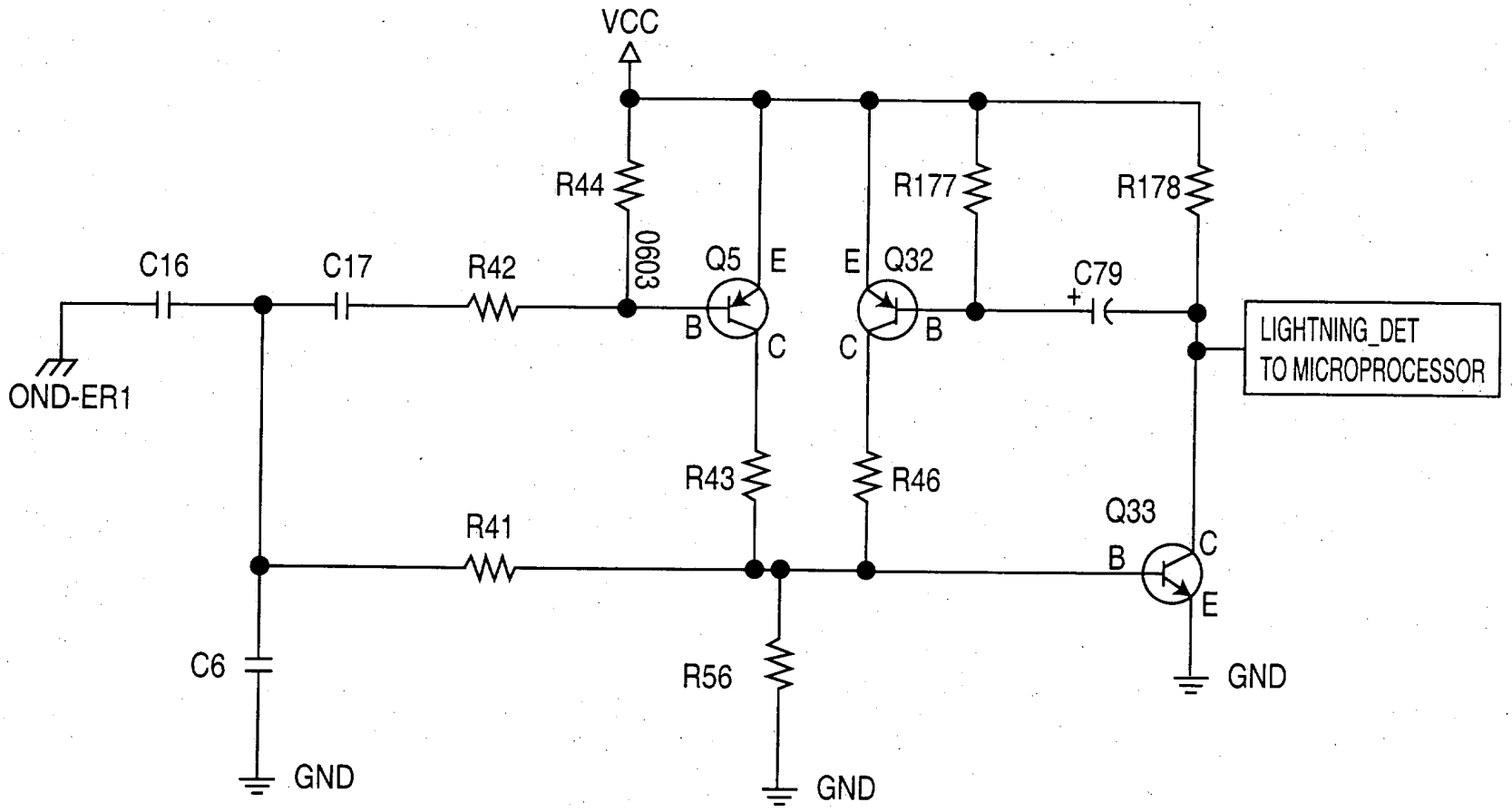

VCC
R44
0603
R177
R178
C16
C17
R42
Q5
E
B
C
E
Q32
C
B
C79
+
OND-ER1
LIGHTNING_DET
TO MICROPROCESSOR
R43
R46
R41
Q33
B
C
E
C6
R56
GND
GND
GND

Figure 4

Example of input signal on GND-ERH terminal

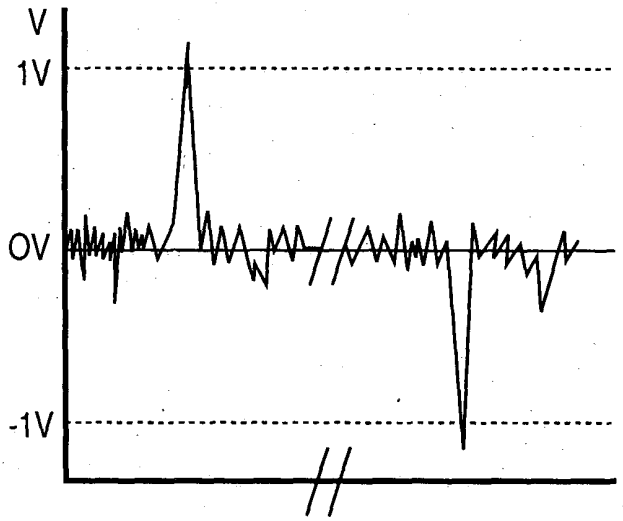
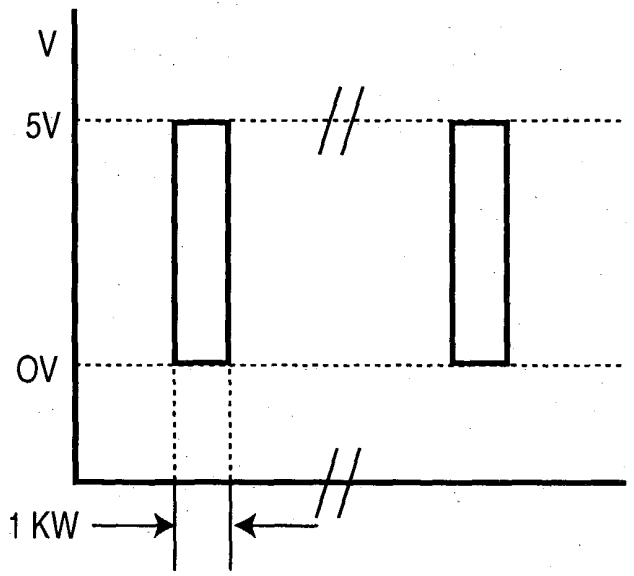


Figure 5

Example of output on LIGHTNING_DET terminal